***AT&T Speech:***

*Add Speech to text transcription to your app.*

**Features**

* Transcribe speech to text up to 4 minutes in length
* Supports English and Spanish
* Supports 6 audio formats and more to come
* Support for HTTP streaming
* Support for different contexts to provide the developer better results
* iOS and Android SDKs available
* 3 Response formats: JSON, XML and EMMA

**How It Works**

The AT&T Speech API allows developers to send audio data to have it transcribed into text.

To use the AT&T Speech API, developers need to have Full Access to the AT&T Developer Program, and have the Speech API enabled.

**Sign Up with AT&T Developer Program**

1. Go to <http://developer.att.com>
2. Sign up for the free trial.
3. Upgrade to Full Access (upper right of APIs and Tools page) using the Promo Code **API4APPS** to waive the $99 signup fee.
4. Create your application and specify the SPEECH service for your application provisioning.

**Key Concepts**

Audio Formats Supported

* 16 bit PCM WAV, single channel, 8 kHz and 16 kHz sampling
* AMR, 12.2 kbit/s, 8 kHz and 16 kHz sampling
* OGG - speex encoding, 8kHz and 16 kHz sampling

Speech Contexts

* Business Search
* Web Search
* SMS
* Voicemail to text
* Question and Answer
* TV
* Generic

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**Start Creating Apps!**

The AT&T Speech API request requires an access token. To get an access token, use the AT&T OAuth API. HTTP POST to https://api.att.com/oauth/token with the POST data defined as in the following example:

client\_id=93987490DE83c38d74a0d4f2791b555f&client\_secret=5428702020480c59&grant\_type=client\_credentials&scope=SPEECH

The client\_id and client\_secret correspond with your App Key and Secret from your App Details page.

The response will contain an ‘access\_token’ you can use in the Speech to text requests. Example:

{"access\_token":"866939a82b71f72032f52a980df56d48","expires\_in":"0","refresh\_token":"0063cf31099e0c7d9cb20c3f83fce0"}

Include the access\_token in the Authorization HTTP header for the SpeechToText requests. You must use a POST request, as illustrated below:

POST /rest/2/SpeechToText HTTP/1.1

Host: api.att.com

Authorization: Bearer 38C2399A239988

Accept: application/xml

Content-Length: 5655

Connection: Close

Content-Type: audio/amr

X-SpeechContext: BusinessSearch

...audio data...

You can use your favorite programming language to generate the above request, or use AT&T’s iOS or Android SDK to do the work for you.

**More Info**

For more info check with an AT&T Speech specialist or use one of the following links:

[AT&T API Documentation](https://developer.att.com/developer/forward.jsp?passedItemId=12600023) - (goto Speech)

[AT&T Speech Sample Code](https://github.com/attdevsupport/2013DevSummitExamples/tree/master/Speech)